## **REMARKS**

Claims 1-9, 11-17, 26, 28, 29, 31, 52-56, and 61-64 are pending. Claim 64 is newly added. Applicant reserves the right to pursue original and other claims in this and other applications.

Claims 62 and 63 stand rejected under 35 U.S.C. 112, 2<sup>nd</sup> paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 62 and 63 recite, *inter alia*, "said mounting structure is adapted to removably connect the prefabricated lens system to the plate above the lensing structure." These claims depend from claims 28 and 52, respectively, and add to the recited matter of claims 28 and 52 that the mounting structure "adapted to removably connect..." (emphasis added.) There is nothing unclear about the limitation recited in claims 62 and 63, it is a specific structural limitation on the previously recited method which uses the mounting structure.

This argument was included in Applicant's Request for Reconsideration filed January 18, 2006, in response to the Final Office Action mailed October 18, 2005. The Advisory Action mailed February 8, 2006, does not address this argument. Applicant respectfully requests that this rejection be withdrawn.

Claims 62 and 63 stand rejected under 35 U.S.C. 101 because "the claimed recitation of a use, without setting forth any steps involved in the process, results in an improper definition of a process."

As indicated above, claims 62 and 63 respectively only add a single limitation to the type of mounting structure being used. As such, applicant suggests that the

limitations are proper. The claims recite a method employing a mounting structure which is adapted to removably connect the prefabricated lens system to the plate above the lensing structure.

This argument was included in Applicant's Request for Reconsideration filed January 18, 2006, in response to the Final Office Action mailed October 18, 2005. The Advisory Action mailed February 8, 2006, does not address this argument. Applicant respectfully requests that this rejection be withdrawn.

Claims 1-6, 11-13, 28, 31, 52-54, and 61 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Pat. No. 6,130,448 to Bauer ("Bauer") in view of U.S. Pat. No. 5,821,532 to Beaman et al. ("Beaman") Reconsideration of this rejection respectfully is requested.

Claim 1 recites a "cover for an image sensor array" comprising "a plate formed of substantially transparent material and secured adjacent to an upper surface of and covering the image sensor array." The sensor array is "sealed by said plate," and the plate has "a plurality of surfaces forming a lensing structure." At least one of the plurality of surfaces is "contoured into a lensing surface capable of changing imaging characteristics." The cover also includes "a mounting structure extending from an upper surface of the plate and adapted to secure a prefabricated lens system to the plate above the lensing structure."

Bauer discloses a cover plate with a lens. The Office Action admits that Bauer does not disclose a cover that also includes "a mounting structure extending from an upper surface of the plate and adapted to secure a prefabricated lens system to the plate above the lensing structure."

The Office Action cites Beaman as supplying a mounting structure 60 extending from an upper surface of plate 25 and adapted to secure a prefabricated lens system to the plate about the lensing structure.

Applicant respectfully disagrees. The Advisory Action states that "[t]he lens elements (62) are held in a prefabricated lens structure combined with the assembly (40) attached to the glass cover (25); it [is] shown in the diagram that there is a mountin structure holding the lenses and filters in a linear fashion above the glass cover." This structure, even if combined with the cover of Bauer, does not meet the limitations of the claim. Beaman does not disclose "a mounting structure extending from an *upper surface* of the plate and adapted to secure a prefabricated lens system to the plate above the lensing structure." (emphasis added). The Office Action and Advisory Action identifies the glass cover 25 as the analogous structure to the cover of Bauer, but there is no mounting structure which extends from an upper surface of the plate. The Office Action and Advisory Action identify the assembly 40 as the mounting structure, but this assembly does not extend from an upper surface of the plate, and does not secure the lens system to the plate; indeed, the assembly 40 does not even come into contact with the lens system 62 in any way.

Instead, the lens system 62 is in direct contact with the plate 25. Applying this arrangement to the cover of Bauer is not possible. Bauer discloses a convex lens extending from the surface of the cover – the lens structure 62 of Beaman has a flat surface that is incompatible with the convex surface of Bauer. There is no teaching, suggestion or motivation, in Beaman or anywhere else save Applicant's disclosure, for "a mounting structure extending from an *upper surface of the plate* and adapted to secure a prefabricated lens system *to the plate above the lensing structure.*"

Claim 1 is patentable over the proposed combination of Bauer in view of Beaman. Claims 2-13, 61 and 64 depend directly or indirectly from claim 1 and are patentable over Bauer in view of Beaman for at least the same reasons.

Claim 28 recites a method of making "an image sensor array having a lensing cover plate." The method comprises, inter alia, "forming a lensing structure on a lensing surface of a flat, substantially transparent cover plate by contouring said lensing surface of the cover plate into a lensing element to form said lensing cover plate," and "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure."

Bauer discloses a method of making an imager having a cover plate with a lens. The Office Action admits that Bauer does not disclose "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure."

The Office Action cites Beaman to supply what is missing, asserting that Beaman discloses a mounting structure 60 that extends from an upper surface of plate 25 that is adapted to secure a prefabricated lens system to the plate above the lensing structure. Beaman does not teach or suggest, however, a method of forming an image sensor array with a cover plate that includes "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure." Beaman discloses that the lens arrangement 62 is combined with the optics assembly 40. See FIG. 6 and col. 3, lines 62-64. Beaman does not teach or suggest "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure."

Additionally, there is no motivation or suggestion in either Bauer or Beaman to combine then to form the claimed invention.

Further, Applicant respectfully urges that Bauer and Beaman can not properly be combined as proposed in the Office Action to obtain the inventive method of claim 28. Applicant notes, as discussed above, that neither Bauer nor Beaman discloses "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure." Further, Beaman teaches that combining the lens arrangement 62 with the optics assembly 40 provides an arrangement that is smaller and has fewer interfaces than the prior art arrangement of Beaman's FIG. 5, in which lens assembly 52 appears mounted directly to lens cover 57. See col. 3, lines 56-65. Additionally, the arrangement is advantageously smaller and has fewer interfaces than the prior art arrangement of Beaman's FIG. 6, in which lens assembly 62 appears mounted directly to lens cover 25. Thus, Beaman teaches away from, and does not suggest, a method that includes "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure."

Claim 28 is patentable over the proposed combination of Bauer in view of Beaman Claims 31 and 62 depend from claim 28 and are patentable over Bauer in view of Beaman for at least the same reasons.

Claim 52 recites a method of making a camera system that comprises, inter alia, "contouring a portion of a flat cover plate to form a cover plate having a lensing structure," and "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate mounting above the lensing structure."

Bauer discloses a method of making a camera system having a cover plate that includes a lens. As admitted in the Office Action, Bauer does not disclose "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate mounting above the lensing structure."

The Office Action cites Beaman and asserts that Beaman discloses a mounting structure 60 that extends from an upper surface of plate 25 and is adapted to secure a prefabricated lens system to the plate above the lensing structure. Beaman does not teach or suggest, however, a method of forming a camera system by "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate mounting above the lensing structure." Instead, Beaman discloses that the lens arrangement 62 is combined with the optics assembly 40. See FIG. 6 and col. 3, lines 62-64.

Additionally, there is no motivation or suggestion in either Bauer or Beaman to combine then to form or achieve the claimed invention.

Further, Applicant respectfully urges that Bauer and Beaman can not properly be combined as proposed in the Office Action to obtain the inventive method of claim 52. Neither Bauer nor Beaman discloses "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure." Further, Beaman teaches that combining the lens arrangement 62 with the optics assembly 40 provides an arrangement that is smaller and has fewer interfaces than the prior art arrangement of Beaman's FIG. 5, in which lens assembly 52 appears mounted directly to lens cover 57. See col. 3, lines 56-65. Additionally, the arrangement is advantageously smaller and has fewer interfaces than the prior art arrangement of Beaman's FIG. 6, in which lens

assembly 62 appears mounted directly to lens cover 25. Thus, rather than suggesting "a mounting structure extending from an upper surface of the plate," Beaman teaches away from mounting lens assembly 62 to lens cover 25. Thus, Beaman teaches away from, and does not suggest, a method that includes "securing a mounting structure to an upper surface of the plate, said mounting structure being adapted to connect a prefabricated lens system to the plate above the lensing structure."

Claim 52 is patentable over the proposed combination of Bauer and Beaman Claims 53, 54 and 63 depend from claim 52 and are patentable over Bauer and Beaman for at least the same reasons.

Claims 14-17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Bauer in view of Beaman further in view of U.S. Pat. No. 3,620,149 to Ogihara ("Ogihara"). Reconsideration of this rejection respectfully is requested.

Claims 14-17 depend indirectly from claim 1. Claim 1 is patentable over Bauer in view of Beaman et al., as has been advanced above. Ogihara has not been cited against claim 1 and, if cited, would not cure the deficiencies of Bauer in view of Beaman Ogihara has been cited as disclosing a threaded-type coupling for coupling a lens barrel with a camera body. Ogihara does not provide the missing feature of "a mounting structure extending from an upper surface of the plate and adapted to secure a prefabricated lens system to the plate above the lensing structure." Claim 1 and dependent claims 13-15, 61 and 64 are patentable over the proposed combination of Bauer in view of Beaman et al., further in view of Ogihara.

In view of the above amendment, applicant believes the pending application is in condition for allowance.

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